



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

BEAR CREEK SCHOOL QUADRANGLE
MONTANA—POWDER RIVER CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)

OPEN FILE REPORT 79-106
PLATE 21 OF 59

OPEN-FILE REPORT
This report has not been edited for con-
formity with U.S. Geological Survey edito-
rial standards or stratigraphic nomencla-
ture

EXPLANATION

OVERBURDEN ISOPACH--Showing
thickness of overburden, in
feet, from the surface to
the top of the coal bed.
Isopach interval 200 feet
(61 m).

MINING RATIO CONTOUR--Number
indicates cubic yards of
overburden per ton of recov-
erable coal by surface mining
methods. Contours shown only
in areas within the stripping
limit.

**BOUNDARY OF RESERVE BASE
COAL**--Drawn along the outcrop
of the coal bed, the 5-foot
(1.5-m) coal isopach, or the
fault boundary of coal.
Arrows point toward area of
Reserve Base coal.

STRIPPING LIMIT LINE--Boundary
for surface mining of the
coal bed (in this quadrangle,
the 200-foot-overburden
isopach). Arrows point
toward area suitable for
surface mining.

DRILL HOLE--Showing thickness
of overburden, in feet.

To convert cubic yards of
overburden per short ton of
recoverable coal to cubic
meters of overburden per
metric ton of recoverable
coal, multiply by 0.84.

To convert feet to meters,
multiply feet by 0.3.

COAL RESOURCE OCCURRENCE AND COAL DEVELOPMENT POTENTIAL
MAPS OF THE BEAR CREEK SCHOOL QUADRANGLE,
POWDER RIVER COUNTY, MONTANA

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PLATE 21
OVERBURDEN ISOPACH AND
MINING RATIO MAP OF
THE WADDLE COAL BED